

STATE EMERGENCY RESPONSE COMMISSION  
Meeting Minutes

December 14, 2016

Commissioners

Marjorie Crofts – SERC Co-Chair(DNREC)	Bruce Ennis - SERC DVFA
Avery Dalton – SERC Executive Director	Maj. Galen Purcell – Proxy for Col. McQueen
AJ Schall – DEMA Director	Bruce Ennis – SERC-DVFA
David Irwin – New Castle County LEPC	Rick Perkins – Div. Public Health
Charles Stevenson – Sussex County LEPC	Robert Newnam – DSFS
Dwayne Day – SERC DelDOT	Colin Faulkner - Kent Co LEPC
Grover Ingle – OSFM	James Lee – SERC Consignee
Lynn Krueger - Water Transportation	George Giles – SERC LEPC City of Wilm
Al Johnson – SERC Air Transportation	

*SERC Commissioners unavailable :) James Mosley SERC Chair; John Verdi Chemical Users; Brian Wong SERC Shippers; Robert Byrd Rail Transportation; Col. Nathaniel McQueen DSP; Michael Layton Highway Safety*

Members/Visitors

Mark Dolan – DNREC	Lisa Dunaway - DHS
Brandon Olenik - Kent Co LEPC	Jacob Morente – NCC LEPC
Jamie Bethard – DNREC	Lori Sherwood - DEMA
Kenneth Cenci – DNREC	Patty Smenkowski - DEMA
Miranda Mal – DAFB	Christie Ray – DNREC EPCRA
Babak Golgolab – Claymont Community	Bob Barrish – KC LEPC
Kim Gomes – SERC Rail Transportation	David Roberts – State Fire Commission
Garrett Hanson – DHS	Thomas Carle - OSHA
Adam Hamrick - OSHA	William Steuteville - EPA

Meeting called to order at 9:04 a.m. by Co-Chair Crofts.

Co-Chair-Crofts started the meeting with a “Moment of Silence” for the Wilmington fighters who lost their lives in the line of duty; Wilmington firefighter; Lt. Christopher Leach, Senior Firefighter Jerry Fickes, and Senior Firefighter Ardythe Hope.

A proxy letter was submitted for Major Galen Purcell to attend this meeting on behalf of Colonel Nathaniel McQueen.

September 7, 2016 minutes were approved as written following a motion by Mr. Giles and seconded by Mr. Irwin. All approved.

SERC Committee members presented their reports that are attached in the following pages.

**STANDING COMMITTEE REPORTS:**

**Summary of SERC Finances as of 12/8/2016 – Mr. Newnam**

**SERC Fee Holding Account:**

Carryover from 2015 calendar year	+ \$ 181,460
Fees collected so far in 2016	+ \$ 304,520 (a)
Annual disbursements approved by SERC in March for FY17	- \$ 336,117 (b)
Current Account balance	+ \$ 149,863

**Decon Trailer Replacement Account:**

Carryover from 2015 calendar year	+ \$ 91,392
Deposit as part of SERC FY17 disbursements	+ \$ 30,000 (b)
Interest received thus far in 2016 (first 11 months)	+ \$ 2,422 (c)
Funds from sale of first decontamination trailer	+ \$ <u>11,250</u>
Current account balance	+ \$ 135,064

**Notes:**

- a) Reports and fees from facilities covering calendar year 2015 were due 3/1/2016. Efforts to follow-up on delinquent reports and fees have been ongoing. Fees collected in 2015 totaled \$277,440.
- b) FY 2017 Allocations Approved for Distribution:

<b>Agency/Organization</b>	<b>FY 2017 Approved Allocation</b>
City of Wilmington LEPC	\$ 62,258.99
New Castle County LEPC (account maintained at DSFS)	\$ 81,791.00
Kent County LEPC	\$ 65,085.54
Sussex County LEPC	\$ 69,083.79
SERC IT Committee (account maintained at DSFS)	\$ 12,898.00
Transfer to decontamination trailer equipment and maintenance account*	\$ 0
Transfer to decontamination trailer replacement account	\$ 30,000.00
DNREC Emergency Prevention & Response Section	\$ 15,000.00
<b>Total</b>	<b>\$ 336,117.32</b>

\* The decontamination trailer equipment and maintenance account is a separate account established by the SERC to cover replenishment of equipment and supplies for the trailers during the fiscal year, as well as maintenance costs. Each year, SERC funds are allocated to cover expenses during the previous year and replenish the account to approximately the \$15,000 level. Balance was near this level, so no additional funds were added.

- c) Interest will continue to accumulate. Effective July 2008, interest from both the Fee Holding Account and Decon Trailer Replacement Account are to be jointly deposited into the Decon Trailer Replacement Account.

**\*END OF SERC FINANCE REPORT\***

**SERC Information & Technology Committee Report - David Irwin**

**Highlights of October 26, 2016 SERC IT Committee Meeting**

- Bob Pritchett described a process that was used in the past involving a living SERC-IT document to describe and designate all tasks associated with *TierIIManager*™, as well as other EPCRA related information management issues. The committee unanimously approved resurrecting the document.

Status: In Progress

- ☐ *TierIIManager*™ license counts been reviewed. It was determined that LEPCs had ample allocations, while 911-centers and candidates for the "911 Admin" accounts needed further evaluation.

Status: EPCRA Group to coordinate

- ☐ There was continued discussion regarding the format and presentation of information in the *TierIIManager*™ Planner/Responder module. Since its adoption, there has been on-going dialogue about

*TierIIManager™*'s use as a planning versus a response tool. The consensus is that the system should be viewed mostly as a tool for pre-planning and not for quick access during a response.

- ☐ A letter to fire district chiefs requesting candidates (to be approved by the applicable LEPC) for each station's two allocated *TierIIManager™* accounts is to be crafted by NCC LEPC Vice-chairman Morente. Each LEPC will determine the appropriate time and method to canvas fire stations within their district with the expectation that candidates are nominated by February 1, 2017.

Status: In Progress

- ☐ V. Miller, DSFS, agreed to create a draft outline, with the help by B. Davis, EPCRA, J. Morente, NCC LEPC, and B. McCracken, NCC LEPC, of the *TierIIManager™* training module to be offered by the Delaware State Fire School.

Status: Target is to be completed and rolled out during the 1stQ17

- ☐ Because *TierIIManager™* has been designated by DTI as a "*high priority application*" and successfully underwent a "Disaster Recovery Test" in October of 2015, it was agreed that it was no longer necessary to provide backup CD's to key planning/response users.

- ☐ The group discussed the creation of a shared agency webpage containing a list of links and hazardous materials resources for emergency response personnel to use for planning and response.

Status: V. Miller will collect links to develop a website

- ☐ R. Perkins will replace M. Lau as the DHSS representative

#### **\*End of Information & Technology Committee Report\***

### **SERC Planning & Training Committee Report – Mr. Dalton**

#### **State Emergency Response Commission (SERC)**

#### **Planning & Training Committee Meeting**

#### **Meeting Minutes for November 17, 2016**

#### **Prepared on November 22, 2016**

The SERC Planning & Training Committee meeting was held on November 17, 2016 at the Delaware State Fire School.

*Minutes for the meeting are as follows:*

Attendees: AJ Schall, Avery Dalton, Mark Dolan, David Irwin, Robert Newnam, George Giles, Colin Faulkner, LTC Wiley Blevins, Lori Sherwood

A quorum was established.

Planning and Training Committee Chair AJ Schall called the meeting to order at 9:00.

#### **Old Business:**

Mr. Newnam motioned to approve the minutes of the last Planning & Training Sub-Committee Meeting on May 19, 2016. Mr. Irwin seconded the motion. All approved.

Mr. Dalton briefed on the HMEP grant. On October 1<sup>st</sup>, for the upcoming year, we have \$114,975 approved to spend. For the second and third year of the grant, which will go through September 30, 2019, we have \$105,298 for each year.

There will be some new HMEP grant procedures in place as a result of the audit we had last winter. We will do additional grant monitoring and reporting. On quarterly basis, the sub-recipients sign for what you have accomplished for your work plan. This will be completed at the SERC quarterly meeting for each HMEP grant quarter. DEMA staff will be out to do some site visits in response to the grant monitoring for equipment purchases and other activity. The equipment monitoring only applies to the Fire School and the City of Wilmington, which have purchased equipment using HMEP funds.

Mr. Dalton said that sub-recipients will get their letters of acceptance in a few weeks. The letters contain a new section titled, "Deliverables". Sub-recipients will be required to check for disbarment of contractors on a federal governments System Award Management (SAM) site, which is already a requirement for other grants. We have the SAMs site information in the body of the letter that you will receive.

Mr. Dalton then briefed on the SERT and LEPC plans review and update. For the SERT Plan, we have started a group to review Annex D of the Radiological Response Section and invited anyone who would like to participate in this group's review of the plan. The first meeting took place on November 1<sup>st</sup> and the group will meet again in December. That process will probably go through to next May because we have some key documentation from the federal government that we will use as guidance. The guidance documents will come through later and Public Health is leading this particular review. I will come back to everyone in May for a final approval for the SERT Plan once Annex D is complete.

For the LEPC Plans, Kent County updated their plan. I have not started the template for the rest you. Once I get the template done we will proceed forward with the LEPC Plans. In 2017 they are due for an update. I am hoping to start the template before January 1<sup>st</sup>.

Mr. Irwin briefed on the HAZMAT Workshop. They had a meeting on September 27<sup>th</sup> and one was scheduled on October 28<sup>th</sup>, but was canceled due to not having a quorum. The next meeting is scheduled for November 29<sup>th</sup>. Mill Creek is in the process of sending out the requests for sponsorship. We continue to expand our reputation of having a first class workshop.

#### **New Business:**

Mr. Dalton briefed on the agenda for the SERC Committee Meeting to be held on December 14<sup>th</sup>. Added to the agenda will be a Moment of Silence for the emergency responders killed in the line of duty and there will be a slide with their photos. Additionally, there will be a presentation by Lisa Dunaway of the Infrastructure Security Compliance Division for the Department of Homeland Security, and representatives from OSHA and EPA. They will provide a presentation in Executive Order – EO 13650 and an update on Chemical Facility Anti-Terrorism Security (CFATS) for the State of Delaware.

Mr. Giles made motion to approve the agenda for the December 2016, 2016 SERC Committee Meeting. Mr. Irwin seconded the motion. Mr. Newnam requested to add, as part of the agenda, discussion of the Tier II reporting fees under Finance and Budget. Mr. Giles amended his motion to include increase in the fees for EPRA. All approved.

Director Schall raised the question to Mr. Newnam, with the personnel changes in Public Health and Dr. Har Ming Lau leaving the state, there is void right now with only having a consultant and not a responder and is this something we should discuss with their administration or here with the committee? Mr. Newnam stated it should be discussed here through the committee and we should reach out to Public Health for direction.

The status of the SERT plan review was discussed. Director Schall recommended cutting back on the number of printed copies of the SERT plan and having the option of plan electronically. Mr. Dalton discussed some revisions to the SERT Plan, that were remaining issues from the prior Planning and Training Committee Meeting. After the revisions were reviewed, Mr. Newnam made motion to approve the changes to the SERT Plan. Mr. Irwin seconded the motion. All approved.

Mr. Newnam made motion to adjourn. Director Schall seconded the motion. All approved.

#### **Meeting Minutes**

Minutes were taken by Ms. Lori Sherwood, and transcribed to this document by Mr. Avery Dalton, SERC Executive Director, on November 21, 2016.

Minutes posted to the State Public Calendar, on November 22, 2016.

Minutes approved by Director AJ Schall, Chair for the SERC Planning and Training Committee.

Signed: \_\_\_\_\_  
AJ Schall, Chair for the SERC Planning and Training Committee

**\*END OF SERC PLANNING & TRAINING REPORT\***

## **SERC HMEP Grant Report Report from DEMA - Mr. Dalton**

Mr. Dalton briefed the HMEP grant was renewed for its three year period. Beginning October 1<sup>st</sup>, the first year of the grant, we received \$114,975. The following two years, 2017-2018 and 2018-2019, we received \$105,298 for each of those years. It's a three grant and years one and two can roll over into the third year.

### **\*END OF HMEP GRANT REPORT\***

## **SERC DECON Trailer Committee Report - Mr. Newnam**

SERC Decon Trailer Committee Report

No Meeting This Quarter

### **\*END OF SERC DECON TRAILER COMMITTEE REPORT\***

## **SERC HAZMAT Training Workshop Committee Report - Mr. Irwin**

Mr. Irwin briefed Millcreek in the process of sending notices out requesting sponsors for 2017. This year they will start a new process to have someone sponsor the dinner, breakfast, and lunch. He was happy to report Miller Environmental has volunteered to sponsor this for the 2017 workshop. In order to keep attendance up for the dinner they plan to have special sessions from 4:00-5:00 and 5:00-5:45 to have plaques presented to our sponsors and special recognition. And we will also have a keynote speaker. This will fill in the time up to the diner. The workshop will be held April 7<sup>th</sup> and 8<sup>th</sup> and the program for the two days is full.

### **\*END OF SERC HAZMAT TRAINING WORKSHOP COMMITTEE REPORT\***

## **LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) REPORTS**

**LEPC for New Castle County SERC Report**  
**September 8, 2016 – December 14, 2016 –Mr. Irwin**

### **LEPC Meetings:**

**There have been two LEPC meetings since the last SERC meeting:**  
**The September 12, 2016 meeting was hosted by Sunoco Logistics.**  
A total of 29 individuals attended the meeting.

Highlights:

- ☐ Committee Reports –
- ☐ Finance – Chairman Irwin reported expenditures since the July 11<sup>th</sup> LEPC meeting were:

Post Office Box Renewal Fee =	\$ 102.00
Staff Service Fee =	\$13,333.34
TOTAL =	\$13,435.34

TOTAL BUDGET =	\$88,764.61
Expenses	\$13,435.34
Budget balance	\$75,329.27

DECON – Committee Chairman Joe Leonetti was not present.  
No report given.

I.T. – Committee Chairman McCracken reported:

- DNREC staff have been working with *Tier II Manager*<sup>™</sup>'s software contractor to enhance several aspects of the mapping features of the Planner Module including satellite images of facilities that report hazardous materials.
- The annual EPCRA ads have been placed with the News Journal and the State News. The ad will run on Sunday, 9/11 in the News Journal and Wednesday, 9/14 in the State News.
- Per the Federal EPCRA statute, each local emergency planning committee shall annually publish a notice in local newspapers that the emergency response plan, material safety data sheets, and inventory forms have been submitted and are available for the public to review. These notices are organized centrally for the LEPCs thru the IT Committee.

Training Committee Mark Dolan reported:

The New Castle County Industrial Hazardous Materials Response Alliance Training Committee did not conduct any training sessions between the July 11th, 2016 and the September 12th, 2016 LEPC for NCC meetings.

The remaining 2016 NCCIHMRA Training Schedule (11 hours of training) is as follows:

- Training Session IV: Safe Transportation Training Specialists (STTS) for a modified 8-hour version of their tank truck emergency response workshop with hands-on

- Training prop replicas to be conducted on Friday, September 23rd and repeated Saturday, September 24th, 8:00 am to 4:00 pm, at Elsmere Fire Station 16. (8 hrs.)
- Training Session V: NCCIHMRAs Instructors present a "Level A CPC In-Suit Emergencies" class and "Level A CPC Obstacle Course" training to be conducted at DuPont Chestnut Run on Tuesday, October 11th & repeated Thursday, October 13th, 5:30 pm to 8:30 pm. (3 hrs.)
- Fifteenth Annual NCCIHMRAs Planning and Training Meeting to be held at Elsmere Fire Station 16 on Wednesday, November 2nd, from 5:30 pm to 9:00 pm.

Transportation – Committee Chairman Al Stein reported:

- On June 28 two BNSF trains collided at mile post 525.4 resulting in the deaths of three crew members and estimated damages of \$16,000,000.
- The NTSB has concluded that the thermal performance and pressure relief capacity of bare steel tank cars that conform to the current Federal and industrial requirements is insufficient to prevent tank failures from pool fire thermal exposure and the resulting over pressurization. A computer model (AFFTAC ) of an overturned car without thermal protection in a pool fire yielded a calculated survival time of 108 minutes which exceeded the 49 CFR 179.18(a) performance standard of 100 minutes.
- The emergency responders to the derailment in Mount Carbon, West Virginia reported that the first thermal failure occurred about 25 minutes after the accident. By about 65 minutes at least four thermal failures had occurred. A review of this and four other accidents showed that of the 112 derailed tank cars 41 had post-accident failures that's about 37%. The investigators all of these 41 tank cars found consistent evidence of shell bulging from over pressurization, sheet metal thinning and tank shell tears in the vapor space of bare steel CPC 1232 tank cars exposed to pool fire conditions.
- The Canadian government is prohibiting the transport of crude oil in DOT/TC 111 tank cars effective November 1.

Old Business:

10<sup>th</sup> Annual State of Delaware 2017 Hazardous Materials Training Workshop planning meeting #1 held on August 18<sup>th</sup> 2016 at the Mill Creek Fire Company. Chairman Irwin, Workshop Co-Chairman, reported on the meeting progress including the return of several notable speakers and initial course offerings. Corporate and agency sponsorship and donations were discussed. Many thanks again were expressed to the Mill Creek Fire Company for their fiscal management with this event.

New Business:

- Hazardous Material Response Plan Annual Review. Chairman Irwin reported that the current plan was reviewed, approved and due to its sensitive nature was only sent to a limited number of State and County representatives.
- LEPC for NCC FY2016 Performance Report. Chairman Irwin reported that this report was submitted and accepted by the SERC.

- Request for CY 2017 LEPC Meeting Hosts. Chairman Irwin reported that corporate hosts have been received for each of our 2017 meetings. Chairman Irwin expressed his appreciation and thankfulness to each host for their continued support of the LEPC for NCC.

January 9, 2017 – Rogers Corporation  
March 13, 2017 – Miller Environmental  
May 8, 2017 – Honeywell  
July 10, 2017 – BASF  
September 11, 2017 – Sunoco Logistics  
November 13, 2017 – DuPont Stine Haskell

- Chip Stevenson – Sussex County. Mr. Stevenson reported on the September 8<sup>th</sup> LEPC meeting and announced their next November 16<sup>th</sup> meeting.
- Todd Wardwell from the U.S. Coast Guard reported on a recent incident involving a clam boat while dredging raised WWII era ordinance and possible fisherman exposed to mustard agent. Preparedness and treatment concerns were raised when local and regional hospitals were unable to test for mustard gas exposure. Officer Crowe from the 31<sup>st</sup> Civil Support Team offered testing assistance for future incidents.
- Lynne Krueger announced the 37<sup>th</sup> Annual Golf Tournament for the Port of Philadelphia Martine Museum.
- Mark Dolan announced the 12<sup>th</sup> Annual Family Preparedness Day on Saturday, September 24<sup>th</sup>, 2016 10:00-2:00 at the Delaware Agriculture Museum 866 N. DuPont Highway, Dover, Delaware
- Presentation - Underground Utility Cross Bore Awareness, Steve Fargas, Safety Manager, Chesapeake Utilities Corp. provided a twenty-minute power point presentation on the horizontal directional boring process that's used to install gas pipes, electrical lines, water pipes, etc. Expressed "call before you clear" when having sewer pipes mechanically unclogged. Chesapeake Utilities can be reached at (800) 427-2883.

**The November 14, 2016 meeting was hosted BASF.** John Verdi, EHS Team Leader, Northeast Hub, BASF delivered an informative ten-minute power point presentation on BASF's



Newport facility including its history, current operation and emergency response capabilities. A total of 31 individuals attended the meeting.

Highlights:

- Committee Reports –
- Finance – Chairman Irwin reported expenditures since the September 12th LEPC meeting were:

Budget balance as of 9/8/16	\$75,329.27
Expenses:	
NCCIHMRA Training Support	822.39
<u>Staff Fees (Sept &amp; Oct)</u>	<u>\$13,333.34</u>
Budget Balance	\$61,173.54

DECON – Committee Chairman Joe Leonetti reported:

The Hazmat /Decon Team responded to the following incidents since the September meeting:

- ☐ Sept. 15, 2016 - 122 Chestnut Crossing Drive – Small cylinder in the creek leaking – returned before arrival
- ☐ Oct. 15, 2016 – DSFS Dover – Training – Hazardous Materials Response Skills
- ☐ Nov. 4, 2016 – Sta. 16 – Training - 24 hour Decon Class
- ☐ Nov. 5, 2016 – Sta. 16 - Training – 24 hour Decon Class
- ☐ Nov. 6, 2016 – Sta.14 – Training – 24 hour Decon Class
- ☐ Nov. 10, 2016 – Georgetown, De – Return Day – Stand-by

I.T. – Committee Chairman McCracken reported:

- The State IT Committee met at the Delaware State fire School in Dover, Delaware on October 26, 2016.
- Bob Pritchett made a motion to create a living SERC IT document to describe and designate all tasks associated with Tier II Manager as well as other EPCRA related information management issues.
- Tier II Manager is to be used primarily as a pre-planning tool.
- Jake Morente will draft a letter to the fire chiefs to select two members from each station to have access to Tier II Manager. The members are to be nominated by February 1, 2017.
- Vince Miller will create a preliminary outline to be supplemented by Bill Davis, Jake Morente, and Bill McCracken to establish the proposed scope of a Tier II Manager Training Module to be offered by the Delaware State Fire School.
- The Training Module is to be rolled out by the first Quarter of 2017.

Training Committee Mark Dolan reported:

- The New Castle County Industrial Hazardous Materials Response Alliance Training Committee conducted three training sessions between the September 12th, 2016 and the November 14th, 2016 LEPC for NCC meetings.
- Training Session IV was the “Non-Pressure Liquid Bulk MC-306/DOT-406, Low-Pressure Chemical Bulk MC-307/DOT-407 and Corrosive Liquid Bulk MC-312/DOT-412 Tank Trailer Emergency Response Workshop” utilizing specialized training prop replicas, which was conducted by Dave Wolfe and Michael Moore from Safe Transportation Training Specialists (STTS), at the Elsmere Fire Station 16 on Friday, September 23rd and repeated Saturday, September 24th, 8:00 am – 4:00 pm (8 hours). Twenty-one (21) hazardous materials first responders attended.

- Training Session V was the “Level A Hazmat CPC In-Suit Survival Training & Confidence Course” which was conducted by NCCIHMRHA Hazmat Instructors and led by Darryl Meade on Tuesday, October 11th and repeated on Thursday, October 13th, 5:30 am – 8:30 pm (3 hours) at the DuPont Chestnut Run Site. This course focused on chemical protective clothing in-suit emergencies and included a Level A encapsulating suit confidence course. Thirty-five (35) hazardous materials first responders attended.
- The Fifteenth Annual NCCIHMRHA Planning and Training Meeting was held on Wednesday, November 2nd, from 5:30 pm to 9:30 pm at the Elsmere Fire Company Station 16. The Keynote Speaker was U.S. Department of Homeland Security Intelligence and Analysis – Field Operations Mid-Atlantic Director Kurt Reuther, who presented “Current Threats to the Homeland and Implications for First Responders”. In addition, the NCCIHMRHA Training Committee presented a draft of the CY2017 training program and a slide presentation concerning the updates, revisions and corrections incorporated into the U.S. DOT PHMSA 2016 Emergency Response Guidebook, and the DNREC ERT presented its emergency response incident annual summary. The meeting’s attendance totaled thirty-seven (37).
- The NCCIHMRHA Training Committee has the following training sessions planned for the CY2017 Training Schedule: (1) “Emerging Threat Stream and Trends” and “Improvised Explosive Materials and Devices and Homemade Explosives Awareness”, instructed by Delaware State Police Explosive Ordnance Disposal Team Commander Sergeant Christopher Ennis and DSP-DIAC Terrorism Liaison Officer Detective Tim Kerstetter at Elsmere Fire Station 16; (2) “Radiation Assessment & Mitigation – Concepts of Radiological Response”, instructed by Cheryl Weaver-Docimo; (3) Tenth Annual State of Delaware Hazardous Materials Training Workshop at Delaware State Fire School; (4) “Surviving the Hot Zone”, instructed by Dave Wolfe and Michael Moore of STTS; (5) “RIT for the Hazmat Response Team Field Exercise”, led by Darryl Meade of DuPont; (6) “Propane Flaring Operations”, led by the DNREC ERT.

Transportation – Committee Chairman Al Stein reported:

- The NTSB has issued a preliminary report on the 2 ½ hr. duration chlorine leak from a fully loaded tank car. The following preliminary results were reported: The tank, was built by ACF industries in 1981 its original shells thickness was 0.7751 inches. It was equipped with ACF 200 stub still underframe.
- The FRA had issued a safety advisory in October 2006 about defects in some tanks car equipped with ACF 200 stub stills. These defects included tank head cracks, pad-to-tank cracks, still web cracks and tank shell buckling that in some instances has led to hazardous materials incidents.
- The car was shopped in January 2016 for a five-year interior inspection required on chlorine tank cars by the Axial corporation’s maintenance instructions. Rescar repaired the tank car between January and June 2016 before returning it to Axial Corporation for its first post repair loading. The work included interior cleaning, ultrasonic thickness testing, removing internal corrosion, weld buildup intending to restore the shell thickness in corroded locations, and post stress-relief heat treatments.
- A post incident external inspection revealed the following: A circumferentially-oriented crack at about 46 inches long promulgated inbound from the A-end stub still reinforcement pad on the bottom of the tank car. Preexisting cracks were found at the toe of two fillet weld repairs made in 2010 to the stub reinforcement pad. The add welds extended beyond the inboard end of the reinforcement pad. ONE of the preexisting cracks from the 2010 weld repairs was the origin tank car shell crack. At one end, the crack arrested near a region of the tank shell that exhibited internal surface thermal scaling and tested softer than surrounding steel. Investigators found buckling in the tank shell between the end of the stub still reinforcing pad and the

adjacent girth weld, as well as several areas of repair to the tank shell that measured below the minimum allowed thickness of 0.7438 inch.

**Old Business:**

- Workshop Chairman Dave Irwin provided an update on the 10<sup>th</sup> Annual State of Delaware 2017 Hazardous Materials Training Workshop. Mark Dolan followed up with course announcements, instructors and returning offerings. Mr. Dolan said that corporate and sponsorship letters will be emailed in the next few weeks. The next Workshop Planning Meeting is scheduled for Tuesday, November 29<sup>th</sup> 2:30pm at the Mill Creek Fire Company.

**New Business:**

- Chip Stevenson – Sussex County. Mr. Stevenson reported that he attended the Hazardous Materials and Emergency Response Conference in Pittsburgh, PA in early November. The next Sussex LEPC meeting is November 16<sup>th</sup> in Georgetown.
- Presentation - Avery Dalton, Planner, DEMA provided an informative 15-minute power point presentation on the Delaware Emergency Management Agency's (DEMA) operations and programs.

**LEPC Staff Performance:**  
**David Irwin – Chairman – Activities Completed**

**SERC Activities:**

- Represented the LEPC at the September 7<sup>th</sup> SERC meeting
- Represented the LEPC at a SERC Planning & Training Committee meeting (11/17)
- Chaired the SERC IT Committee meeting (10/26)
- Chaired two 10<sup>th</sup> Annual HazMat Training Workshop Planning Committee meetings (9/27,11/29)
- Prepared and submitted in a timely manner the LEPC Quarterly Performance Report
- Prepared and submitted in a timely manner the SERC Information & Technology Performance Report
- Submitted the FY2017 HMEP Grant Sub-Award Application

**Emergency Response Plan Reviews and Facility Visits:**

- Partnered with DNREC Accidental Release Program personnel to conduct Plan Review, RMP Inspection, Veolia -Red Lion (9/29)
- Participated in Burris Logistics Annual Emergency Response Preparedness Review and facility inspection (10/28)

**Exercise Status:**

- Participated as an evaluator for the DuPont Experimental Station Full Scale Emergency Response exercise (11/2)
- Participated as an evaluator for the Sunoco Tabletop exercise (12/1)

**NCCIHMRA:**

- Facilitated the 15<sup>th</sup> Annual NCCIHMRA Planning & Training meeting conducted at the Elsmere Fire Station (11/2)
- Administered the STTS “Cargo Tank Emergency Response Workshop (Low Pressure)” training on September 23<sup>rd</sup> & 24<sup>th</sup> at the Elsmere Fire Station
- Administered the hands-on “Level A Chemical Protective Clothing (CPC) In-Suit Emergencies” class and “Level A CPC Obstacle Course” hosted by the DuPont Chestnut Run facility (10/11,10/13)

**Outreach Initiatives:**

- Represented LEPC at the US Coast Guard Sector Delaware Bay Area Committee meeting (11/18)
- Represented the LEPC for NCC at three (3) LEPC meetings, Kent (9/13), Sussex (9/8,11/16)
- Represented LEPC at nine (9) CAP meetings, Croda (9/7, 12/7), Delaware City Refining (9/13,11/14,12/13), DuPont Experimental Station (10/12), DuPont Newark Sites (10/25) and FMC (9/28, 11/30)
- Represented the LEPC for NCC at the DC CAER Group meeting (10/13)
- Partnered with Mark Dolan, NCCIHMRA Training Coordinator, to present Emergency Response Team roles, responsibilities and operating model, EPCRA/NCC LEPC formation, history and responsibilities, NCCIHMRA history and HazMat Training Workshop to Siemens ERT and management team members (9/9)
- Picked up and delivered 2100 Emergency Preparedness brochures to Siemens Newark facility (9/14)
- Represented the LEPC at the Delaware City Refining Open House (9/24)
- Served as a member of the FMC Mini-grant selection committee (11/4)

**Additional Activities:**

- 
- Contacted and succeeded in securing Frank Docimo as an instructor for the 2017 HazMat Training Workshop
- Succeeded in securing Dr. Carrie Poore as an instructor for the 2017 HazMat Training Workshop
- Served as a technical resource to two (2) member companies
- Renewed LEPC post office box and submitted receipt for reimbursement
- Documented two Hazardous Material reportable release reports in accordance with EPA regulations

## **Jake Morente – Vice-chairman**

### **Local Emergency Planning Committee for New Castle County Vice-Chairman Activity Report**

December 14<sup>th</sup>, 2016

#### SERC & Tier II:

9/7/2016 Attended SERC Quarterly Meeting – D.S.F.S. Dover

At DNREC's EPCRA request I'm determining if still in existence, 11 NCC sites, prior Tier II reporting facilities.

10/26/2016 Participated in SERC IT Committee meeting in Dover. Reviewed training module outlines from Vince Miller at Fire School and Bill Davis at DNREC EPCRA program. Developing letter to State Fire Chief's introducing the roll-out delivery of the Tier II Manager.

#### Site Assessments & Plan Reviews: (3 visits conducted) Reports completed and mailed

8/19/2016 Homalite (Wilmington) DNREC Offices/FMO Follow-up

10/18/2016 MTC Delaware, LLC (New Castle) 4 suggestions/considerations

10/26/2016 DuPont – Chestnut Run (Wilmington) 2 suggestions/considerations

11/3/2016 Croda (New Castle) *Postponed*

#### Outreach:

- Provided LEPC brochures (250) to Brandywine Hundred Fire Co (Bellefonte) for upcoming event on Saturday, October 1<sup>st</sup>, 2016
- Provided LEPC brochures (250) to Talleyville Fire Co for their Public Safety / Car Show event held on Sunday, September 25<sup>th</sup>, 2016
- Provided LEPC brochures (250) to Brandywine Hundred Fire Co (Bellefonte) for upcoming event on Saturday, October 1<sup>st</sup>, 2016
- Participated in Odessa Fire Company's Open House on Saturday, October 22, 2016 (10am-2pm) 100 brochures distributed
- Provided LEPC brochures (250) to Wilmington Manor Fire Co (New Castle) for upcoming event on Sunday, October 23<sup>rd</sup>, 2016

10/21/2016      Delivered 80 brochures to LEPC member for community group (N. Wilmington)  
10/25/2016      Sunoco Logistics' Table-top Worst Case Scenario Exercise RESCHEDULED until Thursday, December 1<sup>st</sup>.  
11/2/2016      Participated as evaluator at DuPont Experimental Station's Live-Drill/Exercise  
11/30/2016      Served as an evaluator at BASF's Newport facility drill/exercise  
12/1/2016      Participated as a role player at Sunoco Logistics' Marcus Hook, PA table-top drill/exercise.

- Coordinated relocation of LEPC brochures, remaining (1.5) pallets from Chemours Edge moor facility to NCC Office of Emergency Management, Gilliam Building.

#### Fire Service Liaison:

9/8/2016      Attended NCC Firefighter's Association Meeting at Mill Creek Fire Company  
• Announced City of Wilmington's October 15<sup>th</sup> Hazmat Drill at the Port of Wilmington and asked for participating County FD's and EMS.  
• Asked for Fire Company Open House dates for LEPC participation.

10/6/2016      Unable to attend Chief's County Association meeting due to travel conflict  
11/3/2016      Attended NCC Fire Chief's Association meeting at Holloway Terrace Fire Company  
Misc. Emails      To County Fire Chiefs inviting them to accompany my Site Visits and Emergency Plan Reviews at facilities within their fire district.

#### NCCIHMR & Training:

9/23/2016      Attended and provided lunch for NCCIHMR's Hazmat Training (Tank Truck Emergency Response Workshop by STTS) at Elsmere Fire Company  
9/24/2016      Attended and provided lunch for NCCIHMR's Training (Tank Truck Emergency Response Workshop by STTS) at the Elsmere Fire Company  
9/27/2016      Participated in meeting #2 for 2017 (10<sup>th</sup> Annual) State of Delaware Hazmat Training Workshop held at Mill Creek Fire Company. Record and distributed meeting minutes.  
10/11-13/2016      Unable to attend, out of town during both training events.  
10/28/2016      Participated in meeting #3 for 2017 (10<sup>th</sup> Annual) State of Delaware Hazmat Training Workshop held at Mill Creek Fire Company. No quorum, meeting cancelled, no minutes, sent email with discussion brief.  
11/2/2016      Attended NCCIHMR's annual planning and training meeting at Elsmere Fire Company, Station 16.  
11/28/2016      Participated in meeting #4 for 2017 (10<sup>th</sup> Annual) State of Delaware Hazmat Training Workshop held at Mill Creek Fire Company. Record and distributed meeting minutes.

**\*END OF NCC LECP REPORT\***

**CITY OF WILMINGTON LEPC REPORT** - Mr. GILES

CITY OF WILMINGTON  
OFFICE OF EMERGENCY MANAGEMENT  
WILMINGTON, DELAWARE

**MEMORANDUM**

TO: SERC

FROM: George B. Giles  
Wilmington Support Staff

DATE: December 9, 2016

RE: Wilmington LEPC Report

Meeting Notes:

Wilmington LEPC meeting was held November 18, 2016 in the EOC.

Meeting was called to order by Co-Chairman George Giles.

FY16 BUDGET

-FY 17 budget is progress. We have money for hazardous material training. We cannot pay for overtime wages.

Please contact Margie if you need help with training.

HMEP FY2015

HMEP grants FY 15 in progress.

HAZMAT RESPONSES –

-1 response reported at the Infirmary City of Wilmington.

DNREC notified along with hazmat response team. Mercury spill from broken BP wall unit. Infirmary was assessed and evacuated, cleaned and reopened.

TRAINING-

-Full scale Hazmat /drill was conducted at the Port of Wilmington.

EXERCISE STATUS -

- Continue to review all previous drills to address corrective actions.
- Will continue to work with Noramco and Magellan on their drills and exercises.
-

- PLANNING & OUTREACH –
- Continue teaching an all hazards approach to citizens, community groups,
- Preparing Wilmington Channel 22 announcements for upcoming season.
- Participated in the City of Wilmington Health Fair.

#### HAZARDOUS SUBSTANCE AND HAZARDOUS MATERIAL PLAN-

- The City of Wilmington has updated the Emergency Operations Plan which includes the updated Hazardous substance plan. We continue to make sure that the plan is kept current. Copy has been sent to SERC.
- Working with SERC state wide to have all plans meet same agenda's.

#### EHS SITE INSPECTIONS—

Will be discussed at the January LEPC meeting.

Next meeting is on January 13, 2017 in the Emergency Operations Center.

**\*END OF City of Wilmington LEPC REPORT\***

#### **KENT COUNTY LEPC REPORT** - Mr. Faulkner

#### **Kent County LEPC Meeting Minutes November 15, 2016**

#### **Attendees**

Brandon Olenik	KCDPS	Colin Faulkner	KCDPS
Nicole Vautard	KCDPS	Mark Dolan	DNREC
Tara Chambers	DNREC/EPCRA	Bill Davis	EPCRA
Kenneth Cenci	DNREC	Bob Barrish	Consultant
Miranda Mal	DAFB	Mike Nichols	CHPK
Josh Bushweller	DSP	Jim Hammel	Magnum
Dave Baldinger	Chesapeake Utilities	Leonard Brooks	George & Lynch
Ken Heinsch	George & Lynch	Arnold Maas	DAFB
David Mick	KCDPS	Christie Ray	Red Cross
Shannon Lee	DAFB		

Brandon Olenik called the meeting to order at 10:00 am.

Welcome from Brandon and introduction of all the attendees.

Approval of minutes from last meeting.

#### **Current Issues**

**Bill Davis –Tier II** – Reporting status annual deadline is March 1<sup>st</sup>. Reports are continuing to be received. Statewide 2,101 have been reported which is an increase from last year. As of November Kent County has reported 445. Preparing for next reporting season that will be open in January. Emails and reminders will continue to go to those who have not filed.

Workshops available and LECP's are urged to attend. Kent County's will be held at Fire School on January 5, 18, and 25.



In depth training session on December 14<sup>th</sup> at Fire School for consultants who do Tier II reports.

FYI – Federal EPA has been active in Epcra 2 inspections in Kent County. If any facilities get contacted for a visit due to a release please inform Bob Barrish.

Presentation to network with the ground supervisors for all school districts in the state. Shared with them the findings. Schools were not aware that they have reportable chemicals such as the chemicals that they use in floor maintenance.

**Bill Davis – SERC** – Next meeting December 14<sup>th</sup> at Fire School. The fire school has committed to put a training package together for Tier II users. Currently have an outline for package which will be a video training package to be viewed by all users.

**Dave Mick – DECON/Technical Rescue** – All events are over. Conducted annual trench training weekend.

**Mark Dolan – On behalf of Joe Leonetti** - There is a 24 hour class for new people to join the Decon Team in New Castle. Have about half a dozen new members.

### **Old Business**

**Bob Barrish – Facility Inspections** – Fiscal year runs October 1, 2015 to September 30, 2016. For this fiscal year there were a total of 15 facility visits conducted. Calendar year to date is 10 facility visits. Funding is available for 10 more visits.

Two facilities are high on the list to be visited. They are Hanover and Nobles Pond. For Nobles Pond we will get the fire department involved because the development is a very tough one to get trucks through.

Inspections will start up again in January. There will be a list by next meeting of the inspections to be done.

**Mark Dolan – Sussex LEPC** – Will be doing inspection on November 21<sup>st</sup> at NRG Plant. Brandon and Bob have agreed to join. Next meeting will be November 16<sup>th</sup> at 10:00 am at Sussex EOC.

**Mark Dolan – New Castle County LEPC** – Avery gave DEMA presentation.

**Mark Dolan – Annual Statewide Hazmat Training Workshop** – This is the 10<sup>th</sup> anniversary for this workshop and will expand over two days at Fire School in Dover. Friday is a team building dinner with a key note speaker and Saturday is classes. This workshop is free for all attendees and is open to first responders and industries.

Meeting held but no quorum so business could not be conducted. Millcreek Fire Department will be handling the financial aspects again this year. Sponsorships will be going out soon. Currently working on schedules for Friday and Saturday. Seeking sponsors for dinner on Friday and breakfast and lunch on Saturday.

**Dave Mick – Exercise Program** – Statewide workshop list of trainings completed. Will be breaking it down to specific training topics. This is a 3 year training program. Will have a more specific report next meeting.

### **New Business**

No new business

Meeting adjourned.

Respectfully submitted,

*Nicole Vautard*

Nicole Vautard  
Kent County Dept. of Public Safety  
LEPC Secretary

**\*END OF KENT COUNTY LEPC REPORT\***

**SUSSEX COUNTY LEPC REPORT** - Mr. Stevenson

**SUSSEX COUNTY LEPC  
SERC REPORT  
December 14, 2016**

**Meetings**

There have been two LEPC meetings since the last SERC meeting.

**September 8<sup>th</sup> Meeting-**

There were 17 members/guests in attendance.

**Topics covered:**

**-Bill Davis from the DNREC-EPCRA program**

**EPCRA Reporting Program LEPC Report – September 2016**

RY2015 312-Reporting Status as of September 7<sup>th</sup>

2016	Reporting Year "2015" 312-reports submitted to date
709	Sussex
374	Kent
799	New Castle
134	Wilmington
1865	2014 312-reports (as of 12/31/15)

- Delinquency Outreach – (offline discussions with LEPC Chairs regarding non-reporting Active facilities)
  - Three rounds of compliance outreach have been completed for facilities who have reported previously but are missing the 2015 Annual Tier II Report, and a spreadsheet is being prepared for LEPC chairs to validate if these facilities still exist.
  - Sussex (10), Kent (3), New Castle (14), Wilmington (2)

- Round 1 – 3/31/16 emails
- Round 2 - phone calls, started 4/22/16
- Round 3 – certified letters, 6/28
- Annual EPCRA Advertisement  
The annual EPCRA ads have been placed with the *News Journal* for Sunday September 11<sup>th</sup> and the *Delaware State News* for Wednesday the 14<sup>th</sup>.  
  
Per the Federal EPCRA statute, each local emergency planning committee shall annually publish a notice in local newspapers that the emergency response plan, material safety data sheets, and inventory forms have been submitted and are available for the public to review. These notices are organized centrally for the LEPCs thru the SERC-IT Committee.
- Version 5.2 enhancements  
DNREC staff have been working with *TierIIManager*<sup>TM</sup>'s software contractor to enhance several aspects of the mapping features of the Planner Module including satellite images of facilities that report hazardous materials.

-Glenn Marshall, Sussex County EMS

No report.

-Avery Dalton from DEMA

-HMEP Funds are being utilized. Three personnel from SCEMS have attended the Continuing Challenge Conference in Sacramento, CA.

-The SERC meeting was held on September 7<sup>th</sup>.

-A Family Preparedness Day will be held at the Ag Museum in Dover on September 24<sup>th</sup> from 10 a.m.- 2 p.m.

#### PRESENTATIONS:

John Ferguson, Sussex County R.A.C.E.S Radio Officer, provided a PowerPoint presentation of the group's capabilities and how those capabilities are utilized to assist the mission of the Sussex County Emergency Operations Center.

#### November 16<sup>th</sup> Meeting-

There were 18 members/guests in attendance.

#### Topics covered:

-Bill Davis from the DNREC-EPCRA program

EPCRA Reporting Program LEPC Report – November 2016

RY2015 312-Reporting Status as of November 2<sup>nd</sup>

2101	Reporting Year "2015" 312-reports submitted to date
715	Sussex
445	Kent
806	New Castle
135	Wilmington
1865	2014 312-reports (as of 12/31/15)

- 2016 Reporting Year Preparation

An email reminder will be issued the week of November 14<sup>th</sup> to facility *Regulatory Point of Contacts* and *User Submitters*. Any emails that fail will be followed with a paper-mail reminder and a request to update their email address.

The *TierIIManager*<sup>TM</sup> software vender is making eleven requested adjustments to the version-5.2 *Facility* and the *Administration/Billing* modules; the upgrade has been delivered and is undergoing testing by DNREC staff.

- January Workshops

DNREC will conduct nine Tier II reporting workshops across the State in January; three in each County. There will also be a special session for consultants in December. LEPC staff are welcomed to attend any session, and may find the more in-depth discussion at the consultant class useful.

12/15/16	Thursday 10:00	Dover Fire School - consultants
1/10/17	Tuesday 10:00	Dover Fire School Joint session with Kent LEPC
1/18	Wednesday 10:00	Dover Fire School
1/25	Wednesday 10:00	Dover Fire School
1/12	Thursday 10:00	Georgetown Fire School Joint session with Sussex LEPC
1/19	Thursday 10:00	Georgetown Fire School
1/26	Thursday 10:00	Georgetown Fire School
1/4	Wednesday 10:00	DNREC Lukens Drive New Castle
1/17	Tuesday 10:00	New Castle Fire School
1/24	Tuesday 10:00	New Castle Fire School

#### EPA Enforcement

On September 15<sup>th</sup>, EPA conducted EPCRA reporting inspections at two Delaware facilities located in Dover; a third inspection is scheduled in Laurel on November 22<sup>nd</sup>.

#### -Glenn Marshall, Sussex County EMS

The SCEMS HazMat team completed Hazmat Tech recertification and received an overview of the CST team capabilities. The team will be participating in their full-scale exercise in May. Glenn would like details of any upcoming drills that anyone is having for participation or

observation.

-Avery Dalton from DEMA

The next SERC meeting will be on December 14, 2016 at the Delaware State Fire School in Dover.

#### PRESENTATIONS:

There were two presentations. Mark Dolan provided a presentation on the changes in the 2016 edition of the Emergency Response Guide. Chairman Stevenson provided a DVD presentation of the "Railroad Tank Car Hazardous Material Training Exercise" that was coordinated by the Local Emergency Planning of New Castle County in 2015.

#### *Facility Visits*

There has been one facility visit since the last SERC meeting.

-ALOFT AeroArchitects

#### **HazMat Plan Status**

The yearly review of the Sussex County HAZMAT Response Plan was completed in June of 2016.

#### **Exercise Status**

The Sussex County LEPC did not participate in any exercises since the last SERC Meeting.

#### **HazMat Incidents**

In the third quarter of 2016, there were 26 incidents reported.

#### **Comments**

Other LEPC activities include:

- New Castle County LEPC Meeting-September 12<sup>th</sup> and November 14<sup>th</sup>
- Kent County LEPC Meeting-September 13<sup>th</sup>
- Attended Sussex County 911 Day-September 15<sup>th</sup>
- Cape May/Lewes Ferry Exercise Planning meeting-October 19<sup>th</sup>
- 10<sup>th</sup> Annual HazMat Workshop Planning Committee meeting-September 27<sup>th</sup> and November 29<sup>th</sup>
- SERC Planning & Training Committee meeting-November 17<sup>th</sup>
- Attended FEMA Exercise Planning meeting at DEMA-October 19<sup>th</sup>
- Attended SERC Information and Technology Committee meeting-October 26<sup>th</sup>
- Attended the Emergency Preparedness Conference in Pittsburgh, Pa-November 1<sup>st</sup>-November 4<sup>th</sup>
- Attended the FEMA Graded Pathway Ingestion Exercise Planning Meeting at DEMA-November 18<sup>th</sup>

The next Sussex County LEPC meeting is scheduled for 10 a.m. on January 12, 2017 at the Delaware State Fire School-Georgetown Camp

**\*END OF SUSSEX COUNTY LEPC REPORT\***

#### **DNREC Report – Ms. Crofts**

On 8/23/16 DNREC-ERT responded to the offices of Brandywine Fine Properties located at 5701 Kennett Pike in Centreville for a suspicious package. The package, which consisted of a cardboard mailer envelope containing a smaller foil envelope,

was postmarked as having been sent from the United Kingdom and was addressed to a fictional company that was not located at that address.

Based on this information, the DNREC-ERT representatives contacted the DSP - EOD Team and requested they respond to the site to X-Ray the package. The envelope was X-Rayed by the DSP-EOD, who found there was no indication of the package containing a possible explosive device.

Based on this information, DNREC-ERT decided to open the foil envelope in order to assess the contents. Due to concerns with the material possibly being an opium based drug mixed with either fentanyl and/or carfentanyl, a Level B PPE ensemble consisting of SCBA, Tyvek Coveralls, Overboots, and Nitrile gloves was donned to limit exposure to this hazard.

The contents of the package consisted of a white flaky substance. This material was field screened with Narcotic Identification Kits (NIK Kits) for both Cocaine HCL and 3,4-Methylenedioxymethamphetamine (MDMA - aka Ecstasy). A negative result was obtained with the MDMA kit; however, a positive result was obtained with the Cocaine HCL kit. DNREC-ERT analyzed the material in the envelope with a Thermo First Defender RMX, which gave a result confirming the material was Cocaine HCL. The envelope and its contents were then turned over to the DSP for further processing.



On 9/30/16 DNREC-ERT responded to a residence located at 48 Garden Circle in Georgetown, DE for a complaint regarding the release of approximately 50-gallons of used motor oil. The resident of the property stated that he performed vehicle maintenance on vehicles ranging from cars up to large trucks at his residence. The used oil generated by these activities was stored at this residence in numerous types of containers, ranging from 55-gallon drums to one (1) gallon containers. In addition, other containers were observed that contained used antifreeze, oily water mixtures, and un-drained oil and fuel filters.

The release was caused by a heavy rain event that occurred from 9/29/16 - 9/30/16, with over five (5) inches of rain falling in the Georgetown area. Several of the containers at the residence, including two (2) 55-gallon drums, were left with either open bungs or were uncovered. Water from the heavy rain event entered these containers, displacing an estimated 50-gallon of used oil onto the ground. The release impacted the residence owner's property, a drainage swale directly adjacent to the property, and the property directly to the south of the residence across Garden Circle. Impacts ranged from oil-saturated soils on the RPs property and the drainage swale to staining on vegetation across the street.

Several puddles of free product were recovered using petroleum absorbent pads. A contractor was retained to properly dispose of the multiple containers of used oil, antifreeze, and other materials as well as excavate the contaminated soils from the spill site. The liquids from the small containers were bulked into two (2) 55-gallon drums, with the oily debris (small containers, filters, etc.) bulked into two (2) additional 55-gallon drums. In addition, four (4) 55-gallons drums of used oil



were also recovered for proper disposal. Approximately 14 tons of contaminated soils were excavated from the spill site. The spill site was restored with clean fill and stabilized with grass seed and straw matting.



On September 1<sup>st</sup>, DNREC ERT received a report of a 50 gallon release of diesel fuel into a retention pond on the property of the Amtrak yard in Bear. Upon arrival at the scene it was determined that significantly more than 50 gallons of diesel fuel had been released into the waterway. The responsible party had deployed absorbent boom at the outfall of the retention pond to prevent the further migration of the diesel fuel. However, downstream from the retention pond was checked for the presence of fuel and this unnamed tributary of the Red Lion Creek was found to have a heavy rainbow sheen and a strong odor of diesel fuel.

Emergency Response deployed additional absorbent materials into the retention pond and other areas of the waterway. The responsible party initiated a search to determine the source of the release and hired a contractor to assist with the clean-up efforts. The search for the source of the release was not successful on the initial reporting day, but diesel fuel was found pooled on the ground underneath stone ballast adjacent to the yard railroad tracks.

The following day the source of the release was determined to be a diesel locomotive which had sat in the yard for 10 years after being parked there when it was brand new, but it was never used due to a contractual dispute. The belly tank on the locomotive had a capacity of 4,000 gallons, but only 50 gallons was recovered from the tank. It was not known how much fuel was in the tank when it was parked 10 years ago. The fuel had traveled a mile from the release point to the unnamed tributary of the Red Lion Creek.



On November 11<sup>th</sup>, a resident of the Alapocas Woods neighborhood called to complain that there was asbestos all over the Wilmington Friends School property. DNREC ERT responded to the scene and observed burnt and blacked fibrous material along with paper-like material all over a playing field at the school. It was determined that the material came from the old Bancroft Mills complex which had caught fire 2 days prior and was still smoldering across the Brandywine River from the school. Emergency Response hired a contractor to collect some samples and have them analyzed for asbestos fibers. 20 samples were collected with 50% of the samples determined to contain 15 – 30% chrysotile (asbestos) fibers. The Wilmington Friends School was greatly concerned with the results and had activities planned for inside the school and on the playing fields for the following day. The School hired two different environmental contractors to address their concerns. One contractor conducted air monitoring for asbestos fibers inside multiple areas of the school's buildings while another contractor picked up all visible pieces of fire debris from the entire school property. The air sampling results came back negative for asbestos fibers and the planned indoor activities at the school commenced without delay. The physical removal of the fire debris took place over 2 days on Saturday and Sunday.

There were moderate amounts of fire debris and asbestos material on the walking trails in the Brandywine Creek State Park immediately across the Brandywine River and downwind from Bancroft Mills. Emergency Response hired a contractor to remove this debris from the park. 4 days later due to concerns, outdoor air monitoring for asbestos fibers was conducted in several neighborhoods surrounding Bancroft Mills. All samples were negative for asbestos fibers.

On 9/7/16 DNREC ERT responded to the Leonard L. Williams Justice Center (New Castle County Courthouse) for a letter containing a white powder. Delaware Capitol Police informed DNREC that the letter was sent to a judge by an inmate at James T. Vaughn Correctional Center. According to Capitol Police, an administrative assistant opened the letter, and some white powder fell from the envelope's seal. Capitol Police placed the letter and envelope in an evidence bag and called DNREC ERT.

DNREC staff inspected the envelope and the pages it contained. No white powder or residue was observed on the pages. The white powder seemed to be adhered to the seal of the envelope. A sample of the white powder was collected and analyzed using pH paper, a M908 mass spectrometer, a HazMat ID infrared spectrometer, and a Thermo Scientific First Defender RMX Raman spectrometer. The Hazmat ID identified the substance as a possible match to calcium carbonate-containing compounds and silica-containing compounds. The sample spectrum was consistent in appearance with a mixture of the two compounds. The DNREC Environmental Crimes Unit (ECU) officer recalled that, when he worked for Department of Corrections, inmates would use toothpaste in place of glue or tape, items that weren't available to them. Toothpaste often contains calcium carbonate or hydrated silica, consistent with the analytical results. Based on this knowledge and the results from the Hazmat ID, DNREC concluded that the substance was consistent with toothpaste and thus non-hazardous. Subsequently, the ECU officer was able to obtain a tube of State-issued toothpaste, and the label confirmed that calcium carbonate and hydrated silica are present in this particular formulation.





On 9/8/16 DNREC ERT responded to an overturned tractor trailer that caught on fire and subsequently spilled its load of blanks to be turned into pennies. The truck impacted an attenuator and jersey barrier at high speed, shattering the attenuator. It subsequently traveled on top of the jersey barrier, becoming trapped on and between two parallel rows of concrete barriers and causing a release of diesel fuel, motor oil, and other engine fluids. The tractor then caught on fire. The force of the impact caused the engine block to land several feet in front of the cab and the batteries to travel ~50 feet, causing them to crack and leak. The penny blanks were scattered all over four lanes and in between the concrete barriers. DNREC drummed the broken batteries in a polyethylene drum for proper disposal and neutralized the acid spill using soda ash. DeIDOT employed a vacuum truck to recover the loose penny blanks. Those trapped between the concrete barriers were a foot deep or more in places and recovered with a skid steer. DNREC then worked in conjunction with DeIDOT to clean the petroleum-impacted pavement, including travel lanes and shoulders, to ensure that secondary accidents did not occur as a result of the slick roadways.

**\*END OF DNREC REPORT\***

#### **New Business**

N/A

#### **Presentation – Lisa Dunaway**

Lisa Dunaway of the Infrastructure Security Compliance Division for the Department of Homeland Security, and representatives from OSHA and EPA will provide a presentation in Executive Order - EO 13650 and an update on Chemical Facility Anti-Terrorism Security (CFATS) for the state of Delaware.

#### **Closing Comments**

Mr. Irwin made motion to adjourn. Mr. Newnam seconded. All approved. Co-Chairman Crofts adjourned the meeting at approximately 10:40 a.m.

The next SERC meeting will be March 8, 2017.

Meeting notes were drafted by Avery Dalton and Lori Sherwood. Meeting notes entered into the Statewide Public Calendar on December 20, 2016.

**SERC MINUTES CONCLUDE.\***